

DRILL HOLES

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BY: \$USER\$

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 586 (VEIRS MILL RD.) SB AND TWINBROOK.

LANES MONITORED – 2 THRU AND 1 RIGHT/THRU

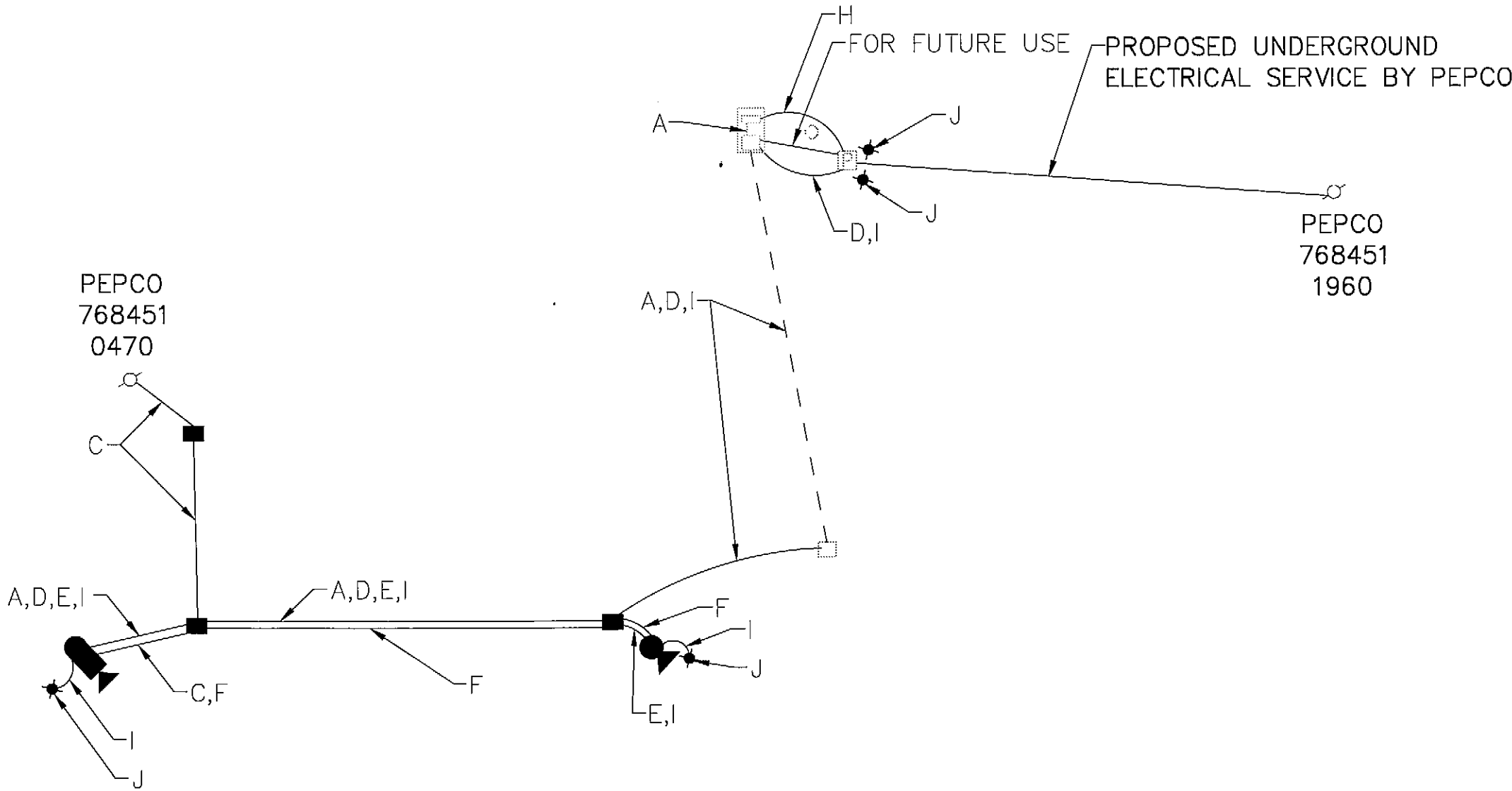
INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY THE SHA
NONE
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
1	EA	SENSYS RECEIVER ASSEMBLY
1	EA	10' PEDESTAL POLE
1	EA	14' PEDESTAL POLE
1	EA	100 AMP METERED SERVICE PEDESTAL WITH BYPASS SWITCH AS SHOWN
3	EA	#5 PULL BOXES
300	LF	2 IN PVC CONDUIT (SCHEDULE 80) – TRENCHED
150	LF	4" PVC CONDUIT (SCHEDULE 80) – BORED
1	EA	2" CONDUIT BEND IN EXISTING FOUNDATION
1	EA	4" PVC 90 AT WOOD POLE BASE
175	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE
4	EA	GROUND ROD – 3/4 IN. X 10 FT. LENGTH
200	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
375	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
250	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
200	LF	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
2.75	CY	CONCRETE FOR PEDESTAL POLE FOUNDATIONS WITH (1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



WIRING KEY

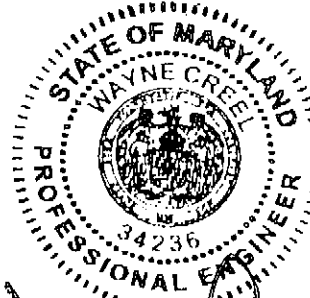
- A 7-CONDUCTOR CABLE (NO. 14 AWG)ALL LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE (NOT USED)
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (3) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G (2)-CONDUCTOR TRAY CABLE (NO. 12 AWG)
- H (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- I STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- J PROPOSED GROUNDING ROD

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
* MONTGOMERY COUNTY ENGINEER – KAMAL HAMUD 240-777-8761
* MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
* SHA INSPECTION TEAM LEADER – ADRIAN PUGH 410-787-7645

BW313M83
MD 586 @ Twinbrook Parkway



SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
WIRING KEY
MD 586 (VEIRS MILL RD) SB AND TWINBROOK PKWY

100%

APPROVALS		REVISIONS		SCALE		ADVERTISED DATE		CONTRACT NO.	
TEAM LEADER		⑧	RED LIGHT CAMERA INSTALLATION TIMS # L414 06/04/12						
ASST. DIV. CHIEF		A	REMOVE EB RIGHT TURN OVERLAP PHASE S/A # BW399M82 05/23/03						
DIVISION CHIEF									
OFFICE DIRECTOR									
DESIGNED BY		COUNTY		MONTGOMERY		LOGMILE		1505861.48	
DRAWN BY		TIMS NO.		L414		TOD NO.			
CHECKED BY		DRAWING NO.		—		OF		SHEET NO. 2 OF 2	
F.A.P. NO.									

PLOTTED: SDATETIMES
FILE: \$FILES\$